

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"7234514".pn.	US-PGPUB; USPAT	ADJ	ON	2007/07/26 06:39
S2	8	("20030234465"   "20050205241"   "4516632"   "5311360"   "6400012"   "6415860"   "6865081"   "6892802").PN. OR ("7234514").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 06:41
S3	94	("1662870"   "3228465"   "3231017"   "3823457"   "4434845").PN. OR ("4516632").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 06:49
S4	0	microreactor with compress	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 06:49
S5	3	microreactor with compression	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 06:52
S6	2011886	exterior or external	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 06:52
S7	65768	S6 near3 pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 06:52
S8	20658	microchannel or microfluidic or microfluid or microreactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 09:19
S9	127	S7 with S8	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 06:57
S10	365276	leak or rupture	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 06:57
S11	3317826	prevent	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 06:57
S12	87	S7 with S10 with S11	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 07:01
S13	1	S12 and S8	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 06:58
S14	5801430	inside or within	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 07:01

## EAST Search History

S15	336	S8 near4 S14 near4 (vessel or chamber or housing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 07:02
S16	11	microreactor near4 S14 near4 (vessel or chamber or housing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 08:35
S17	202492	pressure near (vessel or chamber)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 08:35
S18	43	S17 near7 S8	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 08:42
S19	6	microchannel near2 compression	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 08:48
S20	8	(("2462517") or ("2997435") or ("3515520") or ("5167930") or ("5811062") or ("6126723") or ("6192596") or ("6200536")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/26 08:49
S21	38049	pressure vessel	US-PGPUB; USPAT	ADJ	ON	2007/07/26 09:18
S22	362596	pressure near2 (vessel or chamber)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 09:19
S23	26728	microchannel or microfluidic or microfluid or microreactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 09:19
S24	34	S22 and S23	EPO; JPO; DERWENT	ADJ	ON	2007/07/26 12:51
S25	7	pressure vessel with microreactor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 12:53
S26	48425	inert near8 pressure	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 12:53
S27	4778	S26 with (greater or higher or lower)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 13:51
S28	65255	inert with pressure	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 12:54

## EAST Search History

S29	6915	S28 with (greater or higher or lower)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 12:54
S30	1468	S29 with (vessel or chamber)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 12:55
S31	20658	microchannel or microfluidic or microfluid or microreactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/26 12:55
S32	5	S30 and S31	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 12:55
S33	2751	micro reactor or microreactor	US-PGPUB; USPAT	ADJ	ON	2007/07/26 13:02
S34	647	(micro reactor or microreactor or micro-channel or micro-reactor or microchannel).ti.	US-PGPUB; USPAT	ADJ	ON	2007/07/26 13:03
S35	1137	(micro reactor or microreactor or micro-channel or micro-reactor or microchannel).ti.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/07/26 13:06
S36	7	S35 and (inert near3 pressure)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/07/26 13:04
S37	7	S36 and pressure	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/07/26 13:04
S38	488	S35 and pressure	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/07/26 13:06
S39	38	S35 and pressure	EPO; JPO	ADJ	ON	2007/07/26 13:05
S40	2786	(micro reactor or microreactor or micro-channel or micro-reactor or microchannel).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 13:55
S41	693	S40 and pressure	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 13:07
S42	243	S40 and pressure	EPO; JPO; DERWENT	ADJ	ON	2007/07/26 13:07
S43	55	S42 and (chamber or vessel or housing or casing)	EPO; JPO; DERWENT	ADJ	ON	2007/07/26 13:37
S44	1	"20040043263"	EPO; JPO; DERWENT	ADJ	ON	2007/07/26 13:50

## EAST Search History

S45	65338	prevent near4 (leak or leaking)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 13:51
S46	535210	pressure near4 (greater or higher or lower)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 13:52
S47	1218	S45 same S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 13:52
S48	98	S45 same S46	EPO; JPO; DERWENT	ADJ	ON	2007/07/26 13:54
S49	31046	micro reactor or microreactor or micro-channel or micro-reactor or microchannel or microfluidic or micro fluidic	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 14:02
S50	0	S48 and S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 13:59
S51	7	S48 and reactor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 14:02
S52	639	S49 with (multiple or plurality or at least one) with (vessel or chamber or housing or casing)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 14:04
S53	32	S49 with (multiple or plurality or at least one) with (vessel or chamber or housing or casing)	EPO; JPO; DERWENT	ADJ	ON	2007/07/26 14:04
S54	99	microreactor same vessel	US-PGPUB; USPAT	ADJ	ON	2007/07/26 17:32
S55	5	10/094,257	US-PGPUB; USPAT	ADJ	ON	2007/07/26 17:53
S56	0	("10469316").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/26 17:53
S57	0	(10/469316).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/26 17:54
S58	1	10/469316	US-PGPUB; USPAT	ADJ	ON	2007/07/26 17:59

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S59	49	(10/469316 or 10/475431 or 10/476634 or 10/479755 or 10/483298 or 10/483594 or 10/494293 or 10/500320 or 10/508858 or 10/520853 or 10/706625 or 10/716903 or 10/734014 or 10/739323 or 10/748039 or 10/762151 or 10/763951 or 10/766469 or 10/768622 or 10/784303 or 10/787089 or 10/792927 or 10/794789 or 10/799565 or 10/802316 or 10/807859 or 10/807985 or 10/812009 or 10/827826 or 10/869593 or 10/878526 or 10/892184 or 10/909077 or 10/918111 or 10/922948 or 10/925134 or 10/925891 or 10/927280 or 10/937934 or 10/938716 or 10/950331 or 10/975662 or 11/010717 or 11/016212 or 11/025433 or 11/029694 or 11/036362 or 11/037811 or 11/044498 or 11/075218).app.	US-PGPUB; USPAT	ADJ	ON	2007/07/28 07:25
S60	0	microreactor and S59	US-PGPUB; USPAT	ADJ	ON	2007/07/26 18:11
S61	1	micro reactor and S59	US-PGPUB; USPAT	ADJ	ON	2007/07/26 18:24
S62	2751	micro reactor or microreactor or micro-reactor	US-PGPUB; USPAT	ADJ	ON	2007/07/26 18:24
S63	105	S62 near3 array	US-PGPUB; USPAT	ADJ	ON	2007/07/26 18:24
S64	4009	micro reactor or microreactor or micro-reactor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/28 07:40
S65	122	S64 near3 array	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 18:46
S66	103	S65 and (vessel or chamber or housing or casing)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/26 18:25
S67	1	"7234514".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/27 06:18

## EAST Search History

S68	8	("20030234465"   "20050205241"   "4516632"   "5311360"   "6400012"   "6415860"   "6865081"   "6892802").PN. OR ("7234514").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/27 06:26
S69	32	microchannel near3 (leak or leaking)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/27 06:30
S70	2	(("6,777,118") or ("6,969,506")).PN. or ((2003/0134163) or (2002/0176804)).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/27 06:30
S71	4	((("6,777,118") or ("6,969,506") or ("20030134163") or ("20020176804"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/27 06:32
S72	1	"6680044".pn.	US-PGPUB; USPAT	ADJ	ON	2007/07/27 06:33
S73	1	"6488838".pn.	US-PGPUB; USPAT	ADJ	ON	2007/07/27 06:33
S74	31	("5366719"   "5674301").PN. OR ("6488838").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/27 06:35
S75	135184	higher near2 pressure	US-PGPUB; USPAT	ADJ	ON	2007/07/27 06:54
S76	200910	higher near2 pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/27 06:54
S77	1533	S76 near3 (prevent or avoid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/27 06:55
S78	45	S77 with (leak or leaking)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/27 07:02
S79	8519	double near2 (casing or housing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/27 07:02
S80	71	S79 with reactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/27 07:04

## EAST Search History

S81	5	S80 and pressure near2 higher	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/27 07:03
S82	12	("2718754"   "3716003"   "3763830"   "4021184").PN. OR ("4546709").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/27 08:19
S83	3	S79 same purge	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/27 08:19
S84	10	("3369715"   "3512546"   "3876120"   "3963381").PN. OR ("4080106").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/27 08:22
S85	251671	pressure (vessel or chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/27 08:23
S86	1311	S85 with reactor with inside	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/27 08:24
S87	8	S86 same purge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/07/27 08:24
S88	3	("3105028").URPN.	USPAT	ADJ	ON	2007/07/27 08:27
S89	6	("3105028"   "4167444").PN. OR ("4645641").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/27 08:39
S90	707	reactor near4 compression	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/27 08:40
S91	36	S90 with (outer or outside or external or exterior)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/27 08:41
S92	3	microreactor with compression	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/27 08:42
S93	50	(micro-channel or microchannel or microchannel) with compression	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/27 08:43
S94	802	422/242.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 05:58

## EAST Search History

S95	5	("2745713") or ("4167915") or ("4235841") or ("4670404") or ("5932182")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/28 06:04
S96	6	("2745713") or ("4167915") or ("4235841") or ("4670404") or ("5932182")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/28 06:04
S97	2	("2745713").URPN.	USPAT	ADJ	ON	2007/07/28 06:07
S98	40	("3446659"   "3865647"   "3907981"   "4018183"   "4018184").PN; OR ("4167915").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 06:42
S99	1	JP56024938	EPO; JPO	ADJ	ON	2007/07/28 06:47
S100	1	JP "56024938"	EPO; JPO	ADJ	ON	2007/07/28 06:49
S101	166	422/242.ccls.	EPO; JPO	ADJ	ON	2007/07/28 06:50
S102	802	422/242.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 06:50
S103	491	422/242.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/07/28 06:53
S105	39	S102 and (combust or combustion)	US-PGPUB; USPAT	ADJ	ON	2007/07/28 06:57
S106	198730	heat near2 (exchange or exchanger)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 06:58
S107	94	S106 and S102	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 07:13
S108	15	S102 and (exotherm or exothermic) and (endotherm or endothermic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 07:14
S109	0	10/716903.app	US-PGPUB; USPAT	ADJ	ON	2007/07/28 07:26
S110	1	10/716903.app.	US-PGPUB; USPAT	ADJ	ON	2007/07/28 07:26
S111	4	("6,777,118") or ("6,969,506") or ("20030134163") or ("20020176804")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/28 07:33
S112	0	("6488838.pn.").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/28 07:33
S113	1	"6488838".pn.	US-PGPUB; USPAT	ADJ	ON	2007/07/28 07:40

## EAST Search History

S11 4	42680	micro reactor or microreactor or micro-reactor or microchannel or micro-channel or micro channel or micro fluidic or micro-fluidic or microfluidic or micron near3 channel	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/28 07:49
S11 5	28	microreaction and endothermic and exothermic	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/07/28 07:49
S11 6	92	("20020042140"   "3431077"   "3797202"   "3966420"   "4099923"   "4386505"   "4392362"   "4516632"   "4537217"   "4636315"   "4832914"   "4921919"   "4999102"   "5016707"   "5079205"   "5089232"   "5145579"   "5209906"   "5230866"   "5288644"   "5296375"   "5296775"   "5304354"   "5354460"   "5356756"   "5385712"   "5388635"   "5498545"   "5534328"   "5580523"   "5587128"   "5593642"   "5603351"   "5611214"   "5639423"   "5658413"   "5690763"   "5699157"   "5770860"   "5776359"   "5811062"   "5842787"   "5843385"   "5846396"   "5852495"   "5858195"   "5869004"   "5872010"   "5908552"   "5935277"   "5938333"   "5942443"   "5948227"   "5955028"   "5957579"   "5959297"   "5965001"   "5965410"   "5976336"   "5989402"   "6001229"   "6004515"   "6010607"   "6010608"   "6042709"   "6042710"   "6046056"   "6068684"   "6068752"   "6071478"   "6074725"   "6086740"   "6087180"   "6087181"   "6100541"   "6103199"   "6123798"   "6132685"   "6149882"   "6287872"   "6319719"   "6333019"   "6350617"   "6426226"   "6485692").PN. OR ("6737026"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 08:00
S11 7	115	tonkovich.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 08:03
S11 8	21	combustion catalyst and S117	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 08:07

## EAST Search History

S11 9	6	toole.in. and high-temperature	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 08:09
S12 0	1	"4167916".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 08:10
S12 1	48	S114 near3 (leak)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 08:10
S12 2	69	S114 near3 (leak or leaking)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 08:10
S12 4	9	(US-20050265915-\$ or US-20070012891-\$ or US-20040121454-\$ or US-20050019902-\$).did. or (US-5167930-\$ or US-4167915-\$ or US-6136171-\$).did. or (JP-11079711-\$).did. or (KR-2003087128-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	ON	2007/07/28 14:01
S12 5	1	S124 and combustion	US-PGPUB; USPAT; JPO; DERWENT	ADJ	ON	2007/07/28 14:01
S12 6	802	422/242.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/07/28 14:01
S12 7	3	S126 and (combust and combustion)	US-PGPUB; USPAT	ADJ	ON	2007/07/28 14:01
S12 8	4	recycle economical	US-PGPUB; USPAT	ADJ	ON	2007/07/28 16:25
S12 9	22	recycle stream with economical	US-PGPUB; USPAT	ADJ	ON	2007/07/28 16:27